

## REMARKS

In an Office Action mailed on August 19, 2004, an objection was made to claim 20; claims 31 and 32 were rejected under 35 U.S.C. § 112; claims 1, 2, 4, 6, 8, 11, 12, 14, 16, 18, 21, 22, 24, 26 and 30 were rejected under 35 U.S.C. § 102(e) as being anticipated by Brandinger; claims 29 and 31 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Brandinger in view of Hewlett; and claims 3, 5, 7, 9, 10, 13, 15, 17, 19, 23, 25, 27 and 28 were objected to as being dependent upon rejected base claims but allowable if rewritten in independent form. Newly added claim 33 is patentable over the cited art. The §§ 102 and 103 rejections are addressed below.

### § 102 Rejections of Claims 1, 2, 4, 6 and 8:

As amended, the apparatus of independent claim 1 includes a mirror array to form a projected image that includes pixels. A first dimension of the array is associated with intensity values of the pixels.

Contrary to the limitations of amended independent claim 1, Brandinger discloses a system for shaping a laser beam that includes a micro mirror array 12. However, Brandinger does not discuss an organization of the mirrors of the micro array 12 relating to pixel intensities. Therefore, Brandinger fails to teach or even suggest a mirror array in which a first dimension of the array is associated with intensity values of pixels. Therefore, for at least this reason, Brandinger fails to anticipate amended independent claim 1.

Claims 2, 4, 6 and 8 are patentable for at least the reason that these claims depend from an allowable claim. Therefore, withdrawal of the § 102 rejections of claims 1, 2, 4, 6 and 8 is requested.

### § 102 Rejections of Claims 11, 12, 14, 16 and 18:

As amended, the method of independent claim 11 recites associating a first dimension of a mirror array with intensity values of pixels.

See discussion of independent claim 1 above. In particular, there is no teaching or suggestion in Brandinger regarding the arrangement of mirrors in the mirror array 12. Thus, there is no teaching or suggestion in Brandinger regarding associating a particular dimension of

the mirror array 12 with intensity values of pixels. Therefore, for at least this reason, Brandinger fails to anticipate amended independent claim 11.

Claims 12, 14, 16 and 18 are patentable for at least the reason that these claims depend from an allowable claim. Therefore, withdrawal of the § 102 rejections of claims 11, 12, 14, 16 and 18 is requested.

§ 102 Rejections of Claims 21, 22, 24 and 26:

As amended, the projection system of independent claim 21 includes a mirror array that includes pixels. A first dimension of the mirror array is associated with intensity values of the pixels.

See discussion of independent claim 1 above. In particular, Brandinger neither teaches nor even suggests a mirror array in which a dimension of the array is associated with pixel intensity values. Thus, for at least this reason, Brandinger fails to anticipate amended independent claim 21.

Claims 22, 24 and 26 are patentable for at least the reason that these claims depend from an allowable claim. Therefore, for at least the reasons that are set forth above, withdrawal of the § 102 rejections of claims 21, 22, 24 and 26 is requested.

§ 103 Rejection of Claim 29:

As amended, the projection system of independent claim 29 includes a mirror array that includes pixels. A first dimension of the mirror array is associated with intensity values of the pixels.

For at least the reasons that are stated above, Brandinger fails to teach or suggest such an arrangement. Furthermore, Hewlett fails to teach or suggest the missing claim limitations. Therefore, for at least this reason, withdrawal of the § 103(a) rejection of claim 29 is requested.

§§ 102/103 Rejections of Claim 30 and 31:

As amended, the article of independent claim 30 includes a computer-readable storage medium that stores instructions to when executed cause a computer to control a mirror array to

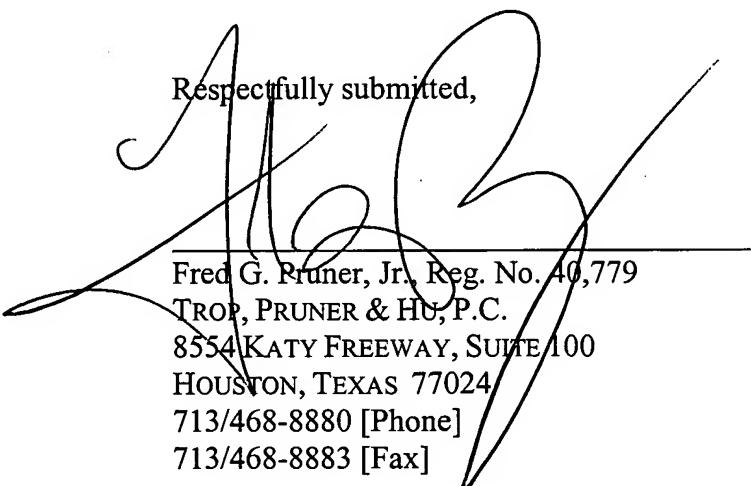
produce a projected image. The array includes pixels, and a first dimension of the array is associated with intensity values of pixels.

For at least the reason that Brandinger fails to teach or suggest a mirror array in which a first dimension of the array is associated with intensity values of pixels, claim 30 overcomes the § 103 rejection. Claim 31 is patentable for at least the reason that this claim depends from an allowable claim. Therefore, withdrawal of the §§ 102 and 103 rejections of claims 30 and 31 is requested.

### CONCLUSION

In view of the foregoing, withdrawal of the §§ 102 and 103 rejections and a favorable action in the form of a Notice of Allowance are requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504 (ITL.1035US).

Date: August 25, 2004

Respectfully submitted,  
  
Fred G. Pruner, Jr. Reg. No. 40,779  
TROP, PRUNER & HU, P.C.  
8554 KATY FREEWAY, SUITE 100  
HOUSTON, TEXAS 77024  
713/468-8880 [Phone]  
713/468-8883 [Fax]